

REMOVAL AND INSTALLATION (Continued)

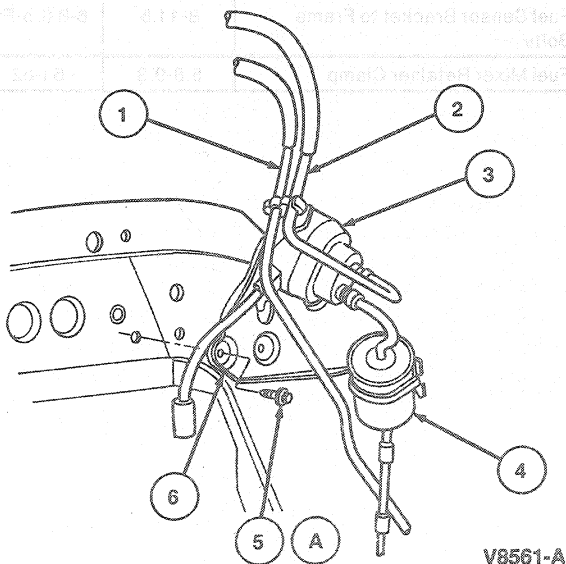
Flexible Fuel Vehicles

The fuel sensor is designed to measure the amount of fuel methanol in the fuel mixture. The sensor sends a variable signal to the PCM through the wiring harness. The PCM adjusts outputs to the engine to provide optimum driveability based on the signal received. For diagnosis refer to the 1993 Powertrain Control / Emission Diagnosis manual⁴.

WARNING: DO NOT MODIFY THE FUEL SYSTEM CONFIGURATION OR COMPONENTS, OR REPLACE COMPONENTS WITH PARTS NOT SPECIALLY DESIGNED FOR USE WITH FUEL METHANOL. FORD MOTOR COMPANY HAS SPECIALLY-DESIGNED THE MATERIALS, COMPONENTS AND SYSTEM CONFIGURATION FOR METHANOL-FUELED VEHICLES AND EACH PARTICULAR SYSTEM IS PRECISELY CALIBRATED FOR EFFICIENT OPERATION. THE USE OF DIFFERENT PARTS OR MATERIALS COULD PRODUCE AN UNTESTED CONFIGURATION THAT COULD RESULT IN FIRE, PERSONAL INJURY, OR COULD CAUSE ENGINE DAMAGE.

Removal and Installation

1. Disconnect negative battery terminal from battery.
2. Relieve fuel system pressure. Refer to Section 10-01 for fuel system pressure relief procedures.
3. Disconnect fuel sensor (9C044) electrical connector.
4. Raise vehicle on hoist. Refer to Section 00-02A.
5. Remove RH front tire and wheel assembly. Refer to Section 04-04.
6. Remove fuel line retaining clip and fuel line from fuel mixer (9S301) at inlet hose, using Fuel Line Disconnect Tool T90T-9550-C.



V8561-A

4 Can be purchased as a separate item.

Item	Part Number	Description
1	9J279	Fuel Return Line
2	9J285	Fuel Supply Line
3	9C044	Fuel Sensor Assy
4	9S301	Fuel Mixer Assy
5A	W611081-S56	Screw (2 Req'd)
6	9D319	Fuel Sensor Bracket
A		Tighten to 8-11.5 N·m (6-8 Lb·ft)

WARNING: COVER VALVE WITH SHOP CLOTH TO PREVENT ACCIDENTAL FUEL SPRAY INTO EYES.

7. Disconnect fuel sensor outlet hose using Fuel Line Disconnect Tool T90T-9550-C.
8. Remove fuel sensor bracket to frame rail retaining bolts and fuel sensor / mixer and bracket assembly from vehicle.
9. Loosen fuel mixer retainer clamp and disconnect fuel mixer outlet tube from fuel sensor using Fuel Line Disconnect Tool T90T-9550-C.
10. Remove fuel sensor retaining bolts and fuel sensor from bracket.
11. To install, reverse Removal procedures. Tighten fuel sensor retainer-to-bracket bolts to 3-4 N·m (27-34 lb-in). Tighten mixer retaining clamp to 5.8-9.3 N·m (5.1-82 lb-in). Tighten fuel sensor / mixer and bracket-to-frame fasteners to 8-11.5 N·m (6-8 lb-ft). Tighten the wheel lug nuts to 115-142 N·m (85-105 lb-ft).

Fuel Injection Wiring Harness

Removal

NOTE: Ensure ignition switch is in OFF position and fuel system is depressurized.

1. Remove throttle body as outlined.
2. Disconnect electrical connectors from fuel injectors.
3. Disconnect connectors from main wiring harness and throttle position sensor, intake air temperature (IAT) sensor and idle air control (IAC) valve.
4. Remove fuel charging wiring assembly.

Installation

1. Position fuel charging wiring along side fuel injectors.

CAUTION: Check distance between throttle body and rocker arm cover fuel charging wiring clearance at rocker arm cover valley on FF vehicles.

2. Snap electrical connectors into position on fuel injectors.
3. Install throttle body as outlined.